

Specifications	Model Number																										
	TSB700REGBV																										
Application, Rating and Electrical Data																											
Application	Storage of Blood Bags																										
Storage Volume	620Liters / 21.9 Cubic Feet																										
Factory Set Point	+4 °C																										
Set Point / Increment	+4 °C (User Not allowed to change)																										
Electrical Power / Rated Current	230V 50 Hz 1 Phase / 1.6A																										
Building Supply Rating	16A 250V																										
Power Plug/Power Cord Length	16 Amp 250V / 4 Meters (13 feet)																										
Agency Listings	CE0051																										
Standards and directives	2006/42/EC, 2014/30/EU, 2014/35/EU, 2011/65/UE, 2015/863/EU & 2012/19/EU																										
Electromagnetic Compatibility	Emissions (Class A), Immunity (Industrial Environment)																										
Indoor/Outdoor Usage	Indoor Use Only																										
Application Environment	Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation																										
Ambient Operating Temperature	15° C to 32° C (59° F to 90° F)																										
Refrigeration Configuration																											
Refrigeration System	Vapor compression system																										
Compressor / Number / Capacity	Single speed / 1 / 236W																										
Condenser Type/Number	Forced-Air Cooled Finned-Tube Coil Heat Exchanger / 1																										
Expansion Device	Capillary Tube																										
Evaporator Type / Defrost Method	Forced Air Finned-Tube Coil Heat Exchanger / Automatic Defrost																										
Refrigerant Charge / Flammability	R290,90gms,GWP:3 ODP:0 / Flammable																										
Controller/Electrical System Configuration and Features																											
Controller Level	Eye Level																										
Power Switch	On the Controller Main Screen																										
Controller Type	7" TFT LCD Touch Screen: Digital display, Automatic defrost system																										
Setpoint Security / Programmable	Yes / Yes																										
Compressor Safe Guard	Overload Protection (OLP)																										
Control Sensor	PT100 probe (free contacts)																										
Connectivity / Remote OutputsTerminals	Dry Contact (NO and NC)																										
Adjustable Warm / Cold Alarms	Fully Adjustable																										
Power Failure Alarm	Acoustic and Visual																										
Electronic Chart Recorder	Not Provided																										
Dimensions and Construction																											
Interior Dimensions (H x D x W)	1500 mm x 686 mm x 600 mm (59" x 27.0" x 23.62")																										
Exterior Dimensions (H x D x W)	2090 mm x 840 mm x 750 mm (82.3" x 33.1" x 29.52")																										
Insulation	75 mm (2.95") Polyurethane Foam																										
Door Perimeter heater	No																										
Shelves / Load Limit	7 extractible aluminum drawers / 30kg (66 lbs) per Drawer																										
Casters	2 Lockable Castors at the front & 2 Fixed Castors at the rear																										
Non-Crated Shipping Weight	221 kg / 487.2 lbs																										
Typical Performance Characteristics																											
<div> <div> <p>Set Point 4°C @ 20°C Ambient</p> <p>Pull Down and Warm Up</p> </div> <div> <p>Set Point 4°C @ 20°C Ambient</p> <p>At 4°C Cycle</p> </div> <div> <p>Test Unit Series Number or MSO Number: DME0702B-78148</p> <table> <tr> <td>Cabinet Load:</td> <td>Unloaded</td> </tr> <tr> <td>Average Cabinet Temp (C):</td> <td>4.89</td> </tr> <tr> <td>Peak Variation from Setpoint (C):</td> <td>-1.05/1.82</td> </tr> <tr> <td>Uniformity (C):</td> <td>0.62</td> </tr> <tr> <td>Stability (C):</td> <td>1.95</td> </tr> <tr> <td>1-min Door Opening Recovery(min):</td> <td>8</td> </tr> <tr> <td>Cycle on Time(%):</td> <td>26.32</td> </tr> <tr> <td>Cycle (on/off) Time (min):</td> <td>5/14</td> </tr> <tr> <td>Energy Consumption (kw-hr/day):</td> <td>1.5</td> </tr> <tr> <td>Heat Rejection Rate (btu/hr):</td> <td>213.26</td> </tr> <tr> <td>Pull Down Time to setpoint(Min)</td> <td>45</td> </tr> <tr> <td>Warm Up Time to 15°C (min):</td> <td>321</td> </tr> <tr> <td>Sound (dBA):</td> <td>48.8</td> </tr> </table> </div> </div>		Cabinet Load:	Unloaded	Average Cabinet Temp (C):	4.89	Peak Variation from Setpoint (C):	-1.05/1.82	Uniformity (C):	0.62	Stability (C):	1.95	1-min Door Opening Recovery(min):	8	Cycle on Time(%):	26.32	Cycle (on/off) Time (min):	5/14	Energy Consumption (kw-hr/day):	1.5	Heat Rejection Rate (btu/hr):	213.26	Pull Down Time to setpoint(Min)	45	Warm Up Time to 15°C (min):	321	Sound (dBA):	48.8
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- 1)Performance is nominal and individual units may vary.
2)Product performance will differ due to product amount, product size and operating conditions.
3)Continuous product enhancements may, without notice, result in amendments or omissions to this specification. Thermo Scientific cannot accept responsibility for damage, injury, loss or expenses resulting from misapplication of the information herein.



Typical Cabinet Temperature Map
Refrigerator 23cuft , 7 Drawers, Single Outer Door

Temperatures are averages during > 20
cycles after reaching a setpoint of 4C

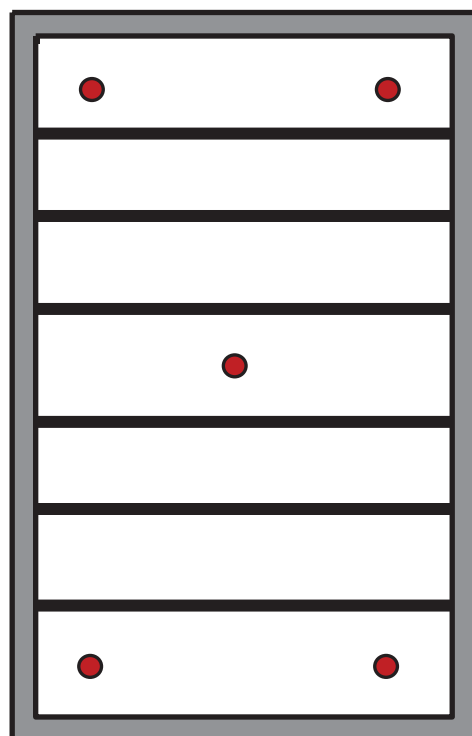
Top View of Shelves

M3	M4
M1	M2
M20	
M33	M34
M31	M32

REAR

FRONT

Front View



	M1	M2	M3	M4	M20
Avg	5.0	5.0	4.8	4.8	4.8
Max	5.7	5.7	5.8	5.8	5.7
Min	4.3	4.2	3.2	3.1	3.9
	M31	M32	M33	M34	
Avg	5.1	5.1	4.7	4.7	
Max	5.6	5.7	5.7	5.7	
Min	4.7	4.6	3	3.1	

Cabinet Average: 4.9 C
Peak Variation: +1.8 C / -1.0 C

* ONLY CABINET SHOWN FOR CLARITY IN TOP VIEW
TO ILLUSTRATE INTERIOR DIMENSIONS

